

CDP-Star

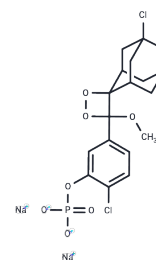
Chemical Properties

CAS No. : 160081-62-9

Formula: C₁₈H₁₉Cl₂Na₂O₇P

Molecular Weight: 495.20

Storage: Store at low temperature, Keep away from direct sunlight, Keep away from moisture
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	CDP-Star is a luminescent substrate for 1,2-dioxetane and a substrate for alkaline phosphatase. CDP-Star can be used for in vivo imaging by detecting mRNA on Northern blot.
Targets(IC50)	Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0194 mL	10.0969 mL	20.1939 mL
5 mM	0.4039 mL	2.0194 mL	4.0388 mL
10 mM	0.2019 mL	1.0097 mL	2.0194 mL
50 mM	0.0404 mL	0.2019 mL	0.4039 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hu L, et al. Chemiluminescence of the Ce(IV)/CDP-Star System Based on the Phosphatase-like Activity of Ce(IV) Ions. ACS Omega. 2021 Feb 25;6(9):6379-6384.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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